

Power Cost Memorandum Fuel Cost Update

Date: October 19, 2023

Utility Name (Cert. No.) Ungusraq Power Company (375)	Utility File No. PC25-0422B	Date Filed: September 22, 2023
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PCE AMOUNT SUMMARY	Previously Approved PC25-0422A	Staff Recommended Amount(s) and Effective Date PC25-0422B
Class Rate	Date Approved: July 1, 2023	October 20, 2023
ALL	\$0.6065	\$0.6065
<input type="checkbox"/> Interim <input checked="" type="checkbox"/> Permanent <input type="checkbox"/> Interim <input checked="" type="checkbox"/> Permanent		

Prior Fuel Purchase Price: <u>\$ 5.1076</u>	New Fuel Purchase Price: <u>\$ 5.4901</u>
<input type="checkbox"/> Actual <input checked="" type="checkbox"/> Weighted	<input type="checkbox"/> Actual <input checked="" type="checkbox"/> Weighted
Delivery Charge: _____	Surcharge Change: Previous _____ Updated _____

Weighted Average Fuel Price/Gal. Calculation					
	Gallons		Price		
On-hand before deliv.	1,200	X	5.1076	=	6,129.14
Delivered	57,500	X	5.4981	=	316,140.90
	<u>58,700</u>				<u>\$ 322,270.04</u>
					Weighted Average \$ 5.4901

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Signed: Brenda Cox Utility Financial Analyst
Brenda Cox

Commission decision re. this recommendation :

	Date (if different from 10/19/23)	I CONCUR	I DO NOT CONCUR	I WILL WRITE A DISSENTING STATEMENT *
Kurber		<i>[Signature]</i>	<i>[Signature]</i>	
Doyle		<i>[Signature]</i>		
Espindola		<i>[Signature]</i>		
Pickett		<i>[Signature]</i>		
Wilson		<i>[Signature]</i>		

Special Instructions to Staff:

* If this column is initialed, Staff will contact the Commissioner for the statement, otherwise, dissent will simply be noted at the close of the By Direction Letter or Order.

Signature: Bob Doyle
Bob Doyle (Oct 19, 2023 16:32 AKDT)
Email: bob.doyle@alaska.gov

Signature: Janis W. Wilson
Janis W. Wilson (Oct 19, 2023 14:29 AKDT)
Email: janis.wilson@alaska.gov

UNGUSRAQ POWER COMPANY

POWER COST EQUALIZATION CALCULATION
FOR TEST PERIOD ENDING DECEMBER 31, 2021
Fuel Cost Update

APPENDIX 1

	PC25-0422A	PC25-0422B	
	Prior Commission Approval	Utility Request	Staff Recommended
A. Total kWh Generated	556,880	556,880	556,880
B. Total kWh Sold (Appendix 2)	494,074	494,074	494,074
C. Total Non-Fuel Costs (Appendix 2)	\$166,952	\$166,952	\$166,952
D. Non-Fuel Cost/kWh (C / B)	\$0.3379	\$0.3379	\$0.3379
E. Total Fuel Costs (Appendix 2)	\$247,438	\$265,969	\$265,969
F. Fuel Costs/kWh (E / B)	\$0.5008	\$0.5383	\$0.5383
G. Eligible Costs/kWh (D + F)	\$0.8387	\$0.8762	\$0.8762
H. Eligible Cost/kWh (G) less base rate in effect	\$0.6452	\$0.6827	\$0.6827
I. Lesser of (H) or 80.65 cents	\$0.6452	\$0.6827	\$0.6827
J. Average Class Rates (Appendix 3)			
ALL	\$0.6065	\$0.6065	\$0.6065
Class Power Cost Equalization Per kWh Payable			
K. Lesser of: (I) x 95% or (J)			
ALL	\$0.6065	\$0.6065	\$0.6065
L. Funding Level in Effect	100%	100%	100%
ALL	\$0.6065	\$0.6065	\$0.6065

PC25-0422B
Appendix 1

UNGUSRAQ POWER COMPANY

APPENDIX 2

SCHEDULE OF ELIGIBLE POWER COSTS, SALES, AND EFFICIENCY
FOR TEST PERIOD ENDING DECEMBER 31, 2021

Fuel Cost Update

		PC25-0422A	PC25-0422B	
		Prior Commission Approval	Per Utility	Per Staff
Non-Fuel Costs:				
A. Personnel Costs		89,213	89,213	89,213
B. Operating Expenses		34,937	34,937	34,937
C. General & Administrative		41,675	41,675	41,675
D. Depreciation/Amortization		1,127	1,127	1,127
E. Interest Expense		0	0	0
F. Other (Describe)		0	0	0
G. Total Non-Fuel Costs		\$166,952	\$166,952	\$166,952
Fuel Costs:				
H. Gallons Consumed for Electric Generation		48,445	48,445	48,445
I. Price of Fuel:(per gal) Weighted Average		5.1076	5.4901	5.4901
J. Total Cost of Fuel (H x I)		\$247,438	\$265,969	\$265,969
K. kWh Generated		556,880	556,880	556,880
L. kWh Sales		494,074	494,074	494,074
M. kWh Station Service		14,810	14,810	14,810
N. Efficiency (K / H)	≥	<u>Standard</u> 11.50	11.50	11.50
O. Line Loss	≤	12%	8.62%	8.62%
((kWh Generated -(kWh Sold + Station Service))/kWh Generated				

PC25-0422B

Appendix 2

CALCULATION OF AVERAGE CLASS RATE PER kWh

Rate Schedule: **All**

(1) Block (by kWh)	(2) Rate (\$/kWh)	(3) Surcharge (\$/kWh)	(4) Total (\$/kWh) (2+3)	(5) Total \$ (1x4)	(6) Avg. (\$/kWh) (5)/(1)	(7) Avg. Rate (\$/kWh) - \$ 0.1935
0 to 750	0.8000		0.8000	600.0000		
751 to						
to						
to						
Max 750			Total	600.0000	0.8000	0.6065

Rate Schedule:

(1) Block (by kWh)	(2) Rate (\$/kWh)	(3) Surcharge (\$/kWh)	(4) Total (\$/kWh) (2+3)	(5) Total \$ (1x4)	(6) Avg. (\$/kWh) (5)/(1)	(7) Avg. Rate (\$/kWh) - \$ 0.1935
0 to						
to						
to						
to						
Max 750			Total			

Rate Schedule:

(1) Block (by kWh)	(2) Rate (\$/kWh)	(3) Surcharge (\$/kWh)	(4) Total (\$/kWh) (2+3)	(5) Total \$ (1x4)	(6) Avg. (\$/kWh) (5)/(1)	(7) Avg. Rate (\$/kWh) - \$ 0.1935
0 to						
to						
to						
to						
Max 750			Total			

Rate Schedule:

(1) Block (by kWh)	(2) Rate (\$/kWh)	(3) Surcharge (\$/kWh)	(4) Total (\$/kWh) (2+3)	(5) Total \$ (1x4)	(6) Avg. (\$/kWh) (5)/(1)	(7) Avg. Rate (\$/kWh) - \$ 0.1935
0 to						
to						
to						
to						
Max 750			Total			

Ungusraq Power Company

	Date	Gallons	Cost Per Gallon	Delivery/ Mark-Up per Gallon	Total Cost
Beginning Fuel Inventory		1,200			
Last Approved Fuel Cost/Gal.			5.1076		
Beginning Fuel Inventory in Gallons X Last Approved Fuel Cost/Gal. = Beginning Fuel Invent					\$ 6,129.14
Reporting Period Purchases	05/02/23	30,000	\$ 4.9991		\$ 149,973.00
	05/08/23	1,500	\$ 7.0000		\$ 10,500.00
	04/27/23	2,000	\$ 7.0000		\$ 14,000.00
	08/10/23	23,000	\$ 5.5873		\$ 128,507.90
	05/29/23	500	\$ 12.2400		\$ 6,120.00
	06/05/23	300	\$ 14.0800		\$ 4,224.00
	06/08/23	200	\$ 14.0800		\$ 2,816.00
Totals for Reporting Period Purchases on this sheet:		57,500			\$ 316,140.90
Grand Totals (beginning inventory plus purchases)		<u>58,700</u>			<u>\$ 322,270.04</u>
Total Cost for Reporting Period divided by Total Gallons for Reporting Period =					<u>\$ 5.4981</u>
Grand Total Cost divided by Grand Total Gallons =					<u>\$ 5.4901</u>

PC25-0422B
Schedule BKC-1